

DELISSEA KONAENSIS SP. NOV. (LOBELIACEAE)
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As presently known *Delissea* contains eight species and five varieties. These occur: on Kauai one species, and one variety, on Oahu four species and four varieties, on Maui one species, and on Hawaii two species. The present paper adds one species for the island of Hawaii.

Delissea konaensis sp. nov. (sect *Micranthae*). Fig. 1.

Diagnosis Holotypi: Frutex glaber est, petiolis 6-11 cm longis, laminis 13.5-16 X 4-4.5 cm chartaceis oblanceolatis subacuminatis basi cuneata dentibus marginis 0.5-1 mm longis subulatis sparsis, racemis 5-7 cm longis 10-15-floriferis, pedunculo 20-23 mm longo, pedicellis 7-9 mm longis, 5 lobis calycis 0.6-1 mm longis anguste deltoideis, corollis 2 mm longis albis arcuate decurvatis cum 3 protrusis parvis.

Diagnosis of Holotype: Glabrous shrub; petioles 6-11 cm long; blades 13.5-16 X 4-4.5 cm, chartaceous, oblanceolate, subacuminate, the base cuneate, the margins with spaced teeth 0.6-1 mm long, subulate, slightly ascending; racemes 6-7 cm long, 10-15-flowered; peduncle 20-23 mm long; pedicels 7-9 mm long; the basal bracts 2-2.5 mm long, subulate; hypanthium 4-8 mm long, ellipsoid, but constricted below the collar-like apex; calyx lobes 0.6-1 mm long, narrowly deltoid; corolla 2 cm long, 1 mm in diameter near the base, 2.5 mm in the apical third, white, arcuate decurved, with 3 near basal small bumps, one dorsal, two lateral, the upper lobes 5 mm long, 1 mm wide, acute; the lower lobes 5 mm long; filament tube glabrous; anthers glabrous, the upper ones 5 mm long, the lower ones 4 mm long and penicillate with white bristles 1 mm long.

Holotypus: Hawaiian Islands, Hawaii Island, South Kona District, Puu Lehua, above , above the Greenwell Ranch House (Capt. Cook), 5,000 ft elev., 9 Aug. 1968, G. W. Gillett 1,969 (BISH).

Discussion: The closest relative of *D. konaensis* is *D. fallex* Hbd., of Hawaii, a species with the petioles 10-12.5 cm long; blades 10-25 X 5 cm, oblong oblanceolate; pedicels 10 mm long; bracts 3 mm long; and the calyx teeth 3 mm long. *D. konaensis* has the petioles 6-11 cm long; blades 13.5-16 X 4-4.5 cm, oblanceolate; pedicels 7-9 mm long; bracts 2-2.5 mm long; and the calyx teeth 0.6-1 mm long,

Fig. 1. *Delissea konaensis* St. John, from holotype. a, leaf; b, raceme, X 1; c, flower, X 2; d, stamens, X 5.

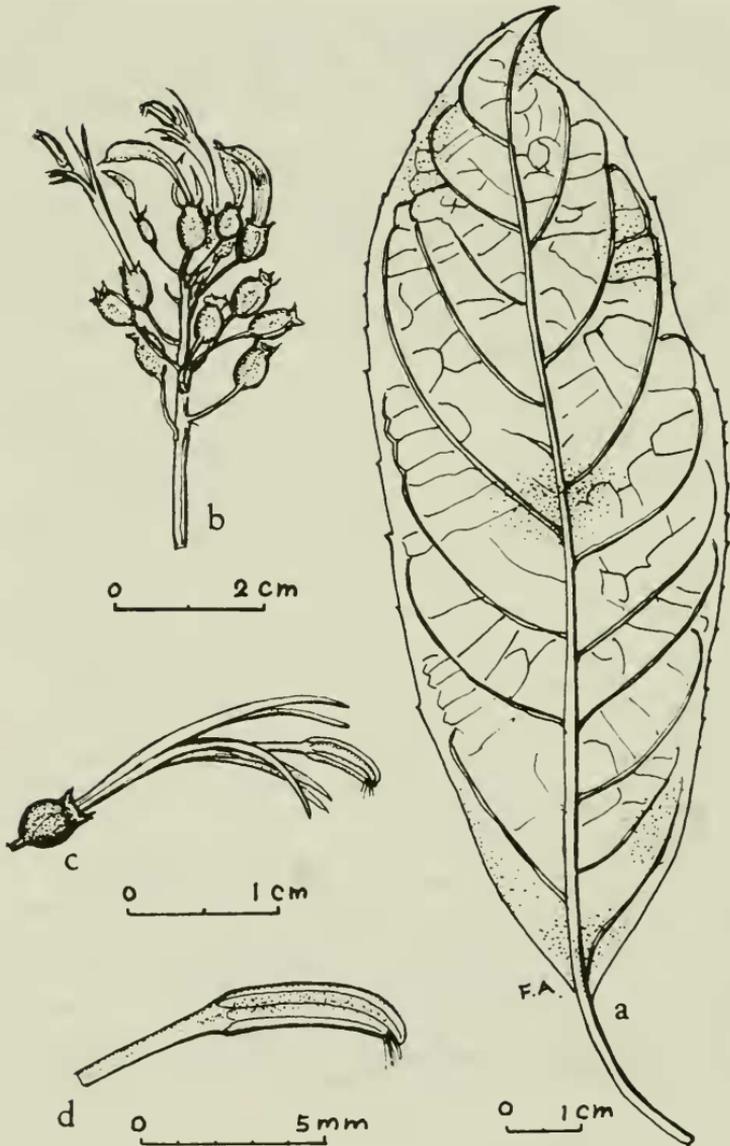


Fig. 1. *Delissea konaensis* St. Johr.